

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

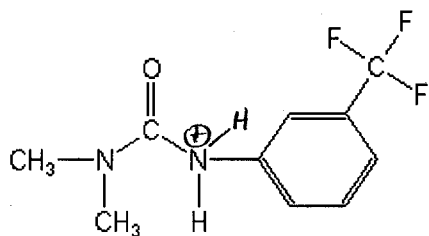
### Analyte: Fluometuron

CAS No.: 2164-17-2

Formula: C<sub>10</sub>H<sub>11</sub>F<sub>3</sub>N<sub>2</sub>O

Molecular mass (lowest isotopes): 232,08 amu

Structure:



Ionisation: ESI +

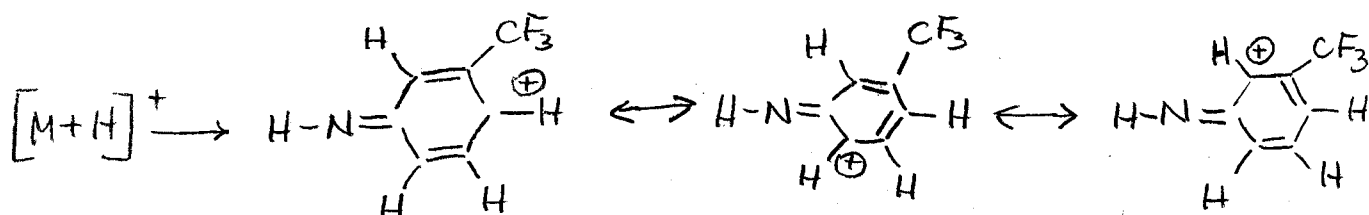
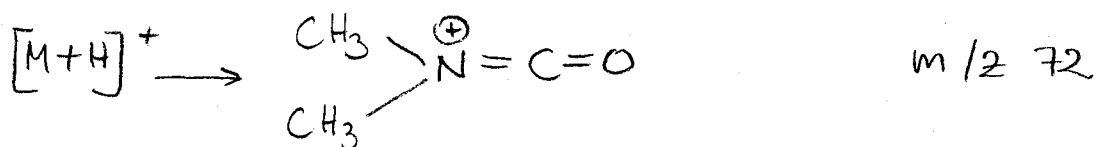
Quasimolecular ion: 233,1 amu = [M+H]<sup>+</sup>

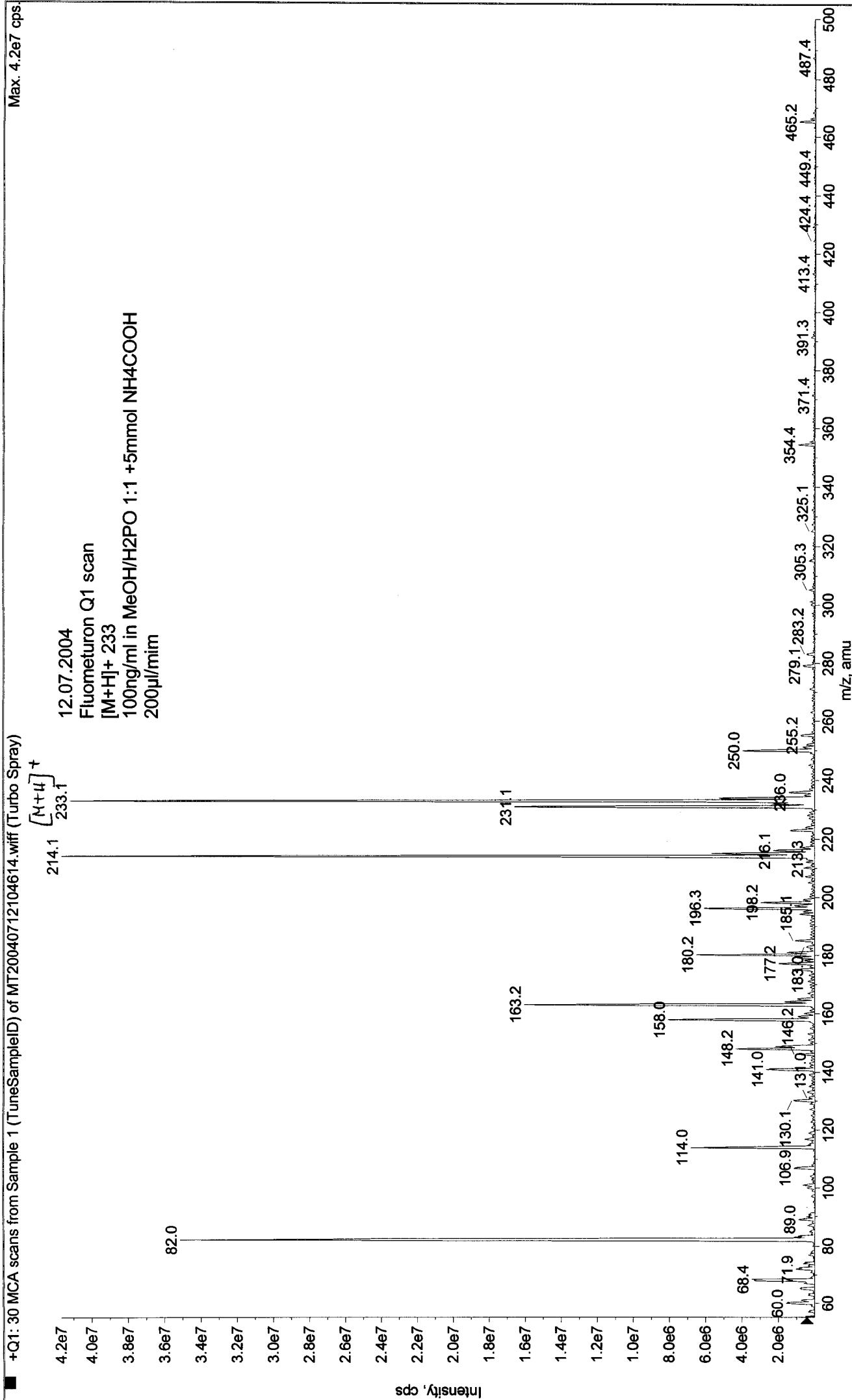
Analyte sensitive parameter set (API 2000)

Transition	233,1 → 72,0	233,1 → 160,2
Declustering potential (DP) <sup>*)</sup>	36 V	36 V
Focusing potential (FP)	360 V	350 V
Entrance potential (EP)	10,0 V	10,5 V
Collision cell entrance potential (CEP)	14 V	16 V
Collision energy (CE)	37 V	37 V
Collision cell exit potential (CXP)	4 V	8 V

<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

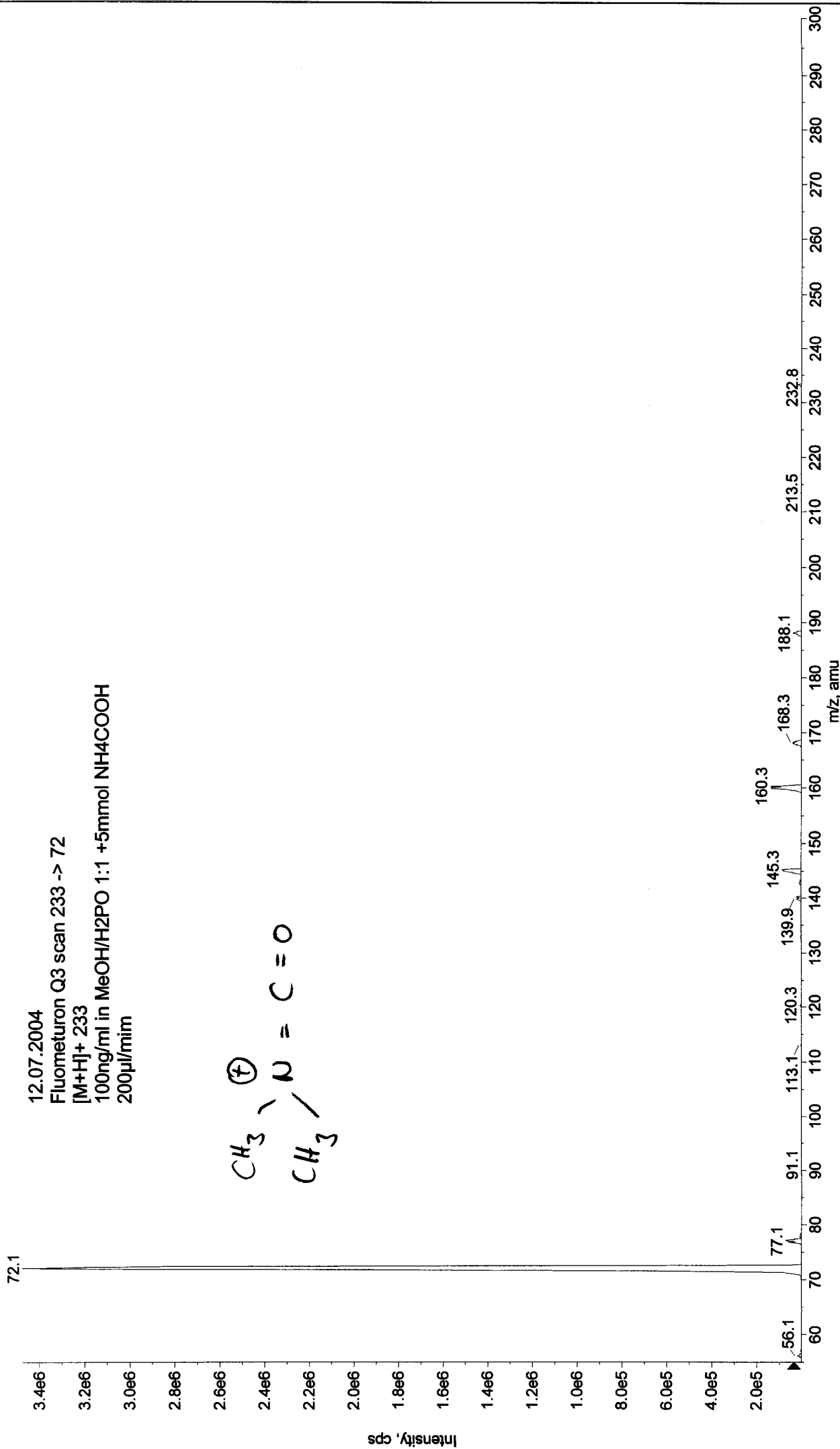
### Fragmentation

 $m/z \ 160$



Max. 3.5e6 cps

+MS2 (233.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040712104852.wiff (Turbo Spray)



Max. 3.2e6 cps

+MS2 (233.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040712110648.wiff (Turbo Spray)

